



**HEWLETT-PACKARD COMPANY  
LOGIC SYSTEMS DIVISION**

**HP 64000  
Logic Development  
System**

**SYSTEM RELEASE BULLETIN**



SSSSS	RRRRRR	BBBBBB
S        S	R        R	B        B
S        S	R        R	B        B
SSSSS	RRRRRR	BBBBBB
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## SYSTEM RELEASE BULLETIN

### 64000 Logic Development System

This System Release Bulletin (SRB) documents all fixes and enhancements that are incorporated in the latest release of software for the 64000 Logic Development System.

The SRB is provided as a benefit of Hewlett-Packard's Software Support Services.

The five sections of the SRB are:

SOFTWARE RELEASE CONTENTS - lists the new revision codes for the 64000 products.

PRODUCT INDEX - lists product names and numbers which are included in this issue.

KPR NUMBER INDEX - sequential list of SR numbers.

KEYWORD INDEX - brief description of each SR.

KNOWN PROBLEM REPORTS - the actual reports.



# Software release contents

Product name	Product number	uu.ff
*6800 INTERFACE	300 64672S004	01.00
*68000 INTERFACE	300 64674S004	01.00
*68008 INTERFACE	300 64673S004	01.00
*68010 G.P. EMULATOR	64249S004	01.00
*68020 INV ASSEMB	300 64675S004	01.00
*6809/E INTERFACE	300 64671S004	01.00
*80186 EMULATION	64224	01.05
*80186 INTERFACE	300 64658S004	01.00
*80286 EMULATION	64228	01.02
*8080/5 INTERFACE	300 64655S004	01.00
*8086 DQ EMUL	300 64220S004	01.10
*8086/8 INTERFACE	300 64653S004	01.00
*F9450 EMULATION	64286S004	01.00
*HP-IB INTERFACE	300 64695S004	01.00
*NSC800 INTERFACE	300 64690S004	01.00
*OPERATING SYSTEM	64100	02.06
*STATE ANALYZER	300 64620S004	01.10
*SW PERF ANALYZER	300 64310S004	01.20
*Z80 INTERFACE	300 64683S004	01.00
*Z8001 INTERFACE	300 64680S004	01.00
*Z8002 INTERFACE	300 64681S004	01.00

## Product index

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Report number index

Report #	page	Report #	page	Report #	page	Report #	page
D200047787	1	D200068551	2	D200068569	2	D200068577	2
D200065797	1						

# Keyword index

## - 80186 EMULATION -

Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64224	01.04 Cannot modify upper 4 bits in DMA CH 0 Source/Dest. Registers.	D200047787	1
USER MEMORY	64224	01.04 Emulator would not recover from errors during display memory repetitive.	D200065797	1

## - 80286 EMULATION -

Keyword	Product number	uu.ff Description	Report #	page
*****none*****	64228	01.01 MONITOR MESSAGES DON'T WORK CORRECTLY	D200068551	2
	64228	01.01 Monitor in HI MEMORY doesn't work Properly.	D200068569	2
	64228	01.01 Improper address out of limit message in memory display	D200068577	2



SRB detail reports as of 02/23/87

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Number: D200047787 Product: 80186 EMULATION 64224 01.04

One-line description:

Cannot modify upper 4 bits in DMA CH 0 Source/Dest. Registers.

Temporary solution:

A work-around exists: Use "modify io port 0FFC6H" if the peripheral control block is at the default address in I/O space (0FF00H), or use "modify io port [Relocation Base Address] + [0C6H], for the destination pointer. The Source Pointer can be modified using "modify io port 0FFC4H" if the Peripheral Control Block is at the default address in I/O space (0FF00H), or it can be modified using "modify io port [Relocation Base Address] + [0C4H].

Signed off 02/23/87 in release 401.05

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Number: D200065797 Product: 80186 EMULATION 64224 01.04

Keywords: USER MEMORY

One-line description:

Emulator would not recover from errors during display memory repetitive.

Problem:

The problem occurs when displaying user memory repetitively. An error condition such as slow clock or guarded memory access would cause the 64000 station to reboot or to display extraneous data at the top of the screen. When the screen had been written to at the top, the only action to delete the characters was resetting the station.

Temporary solution:

There is no workaround other than avoiding the error conditions during a repetitive display of user memory.

Signed off 02/23/87 in release 401.05

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SRB detail reports as of 02/23/87

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Number: D200068551 Product: 80286 EMULATION 64228 01.01

One-line description:

MONITOR MESSAGES DON'T WORK CORRECTLY

Problem:

Passing user messages doesn't always work. When calculating the address of the message, the carry bit is not set correctly. Thus, only 1 of 4 addresses will work properly.

Signed off 02/23/87 in release 801.02

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Number: D200068569 Product: 80286 EMULATION 64228 01.01

One-line description:

Monitor in HI MEMORY doesn't work Properly.

Problem:

Monitor would not operate properly when linked above 0FFFF H. Write or read to user ram fails and messages are not displayed properly.

Temporary solution:

Link the Monitor below 0FFFF H.

Signed off 02/23/87 in release 801.02

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Number: D200068577 Product: 80286 EMULATION 64228 01.01

One-line description:

Improper address out of limit message in memory display

Problem:

When a segment is length 8000 H or greater, a display memory command with a virtual address always gives 'Address out of limit' Status message.

Temporary solution:

Ignore the MESSAGE.

Signed off 02/23/87 in release 801.02

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